

ABSTRACT

A pipeline I/O mechanism in a network redirector that breaks up large files into sections, and sends write (or read) requests for each section in a pipeline fashion to a network file server, without waiting for a response for a previously-sent section. The pipeline I/O mechanism tracks the returned status of each section for which a request was made, so that success or failure of the request is determined as a whole. The pipeline I/O system and method dramatically increase the performance of network remote I/O operations, particularly with file write operations directed to a file on a network file server.